

## IDLE SPEED CONTROL ACTUATOR

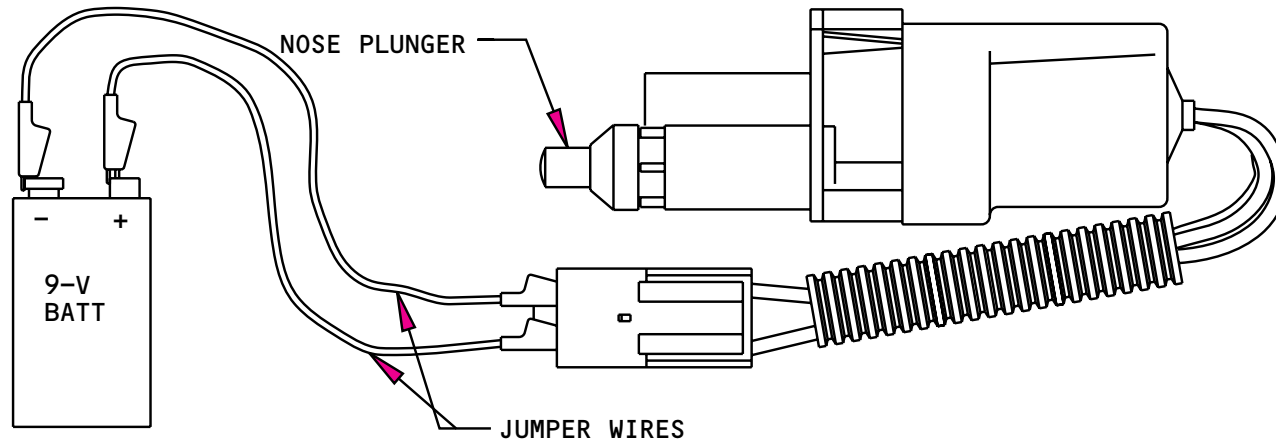
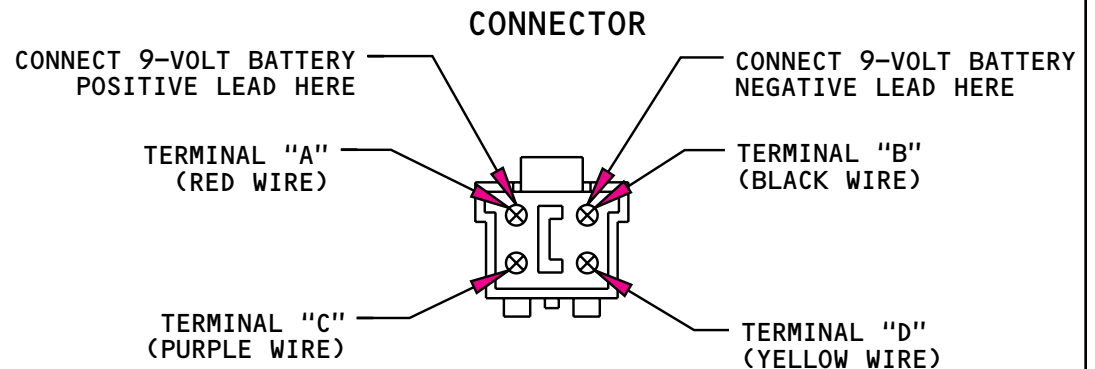
### TOOLS REQUIRED:

- 9-VOLT ALKALINE BATTERY
- 2 JUMPER WIRES
- SENSOR TESTER

### 2 TEST PROCEDURES REQUIRED

#### TEST PROCEDURE #1 - MOTOR TEST

1. CONNECT A JUMPER WIRE FROM THE 9-VOLT BATTERY POSITIVE TERMINAL TO THE RED WIRE ACTUATOR TERMINAL (TERMINAL "A") OF THE ISC ACTUATOR.
2. CONNECT A SECOND JUMPER WIRE FROM THE 9-VOLT BATTERY NEGATIVE TERMINAL TO THE BLACK WIRE ACTUATOR TERMINAL (TERMINAL "B") OF THE ISC ACTUATOR. WHEN CONNECTED, THE NOSE PLUNGER SHOULD FULLY EXTEND.
3. REPEAT STEPS 1 AND 2, BUT REVERSE THE LEADS (POLARITY) TO THE "A" AND "B" TERMINALS. THE NOSE PLUNGER SHOULD FULLY RETRACT.
4. USING STEPS 1 AND 2, RE-EXTEND THE NOSE PLUNGER TO APPROXIMATELY HALF ITS LENGTH.



(SEE NEXT PAGE FOR TEST PROCEDURE #2)

## IDLE SPEED CONTROL ACTUATOR (CONTINUED)

### TEST PROCEDURE #2 - NOSE PLUNGER TEST

1. TURN THE SENSOR TESTER ON AND SET IN THE "SENSOR/MODULE" FUNCTION.
2. CONNECT THE SENSOR TESTER BLACK LEAD TO EITHER THE PURPLE WIRE ACTUATOR TERMINAL (TERMINAL "C") OR THE YELLOW WIRE ACTUATOR TERMINAL (TERMINAL "D").
3. CONNECT THE SENSOR TESTER YELLOW LEAD TO THE TERMINAL NOT USED IN STEP 2 (TERMINAL "C" OR TERMINAL "D"). THE TWO RED LIGHTS ON THE TESTER SHOULD COME ON.
4. PRESS THE NOSE PLUNGER INWARD: THE TWO RED LIGHTS ON THE TESTER SHOULD GO OFF. RELEASE THE PLUNGER: THE LIGHTS SHOULD GO ON. IF THEY DO NOT GO ON - OFF - ON, THE ISC ACTUATOR IS FAULTY AND SHOULD BE REPLACED.

